

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Wang et al
Application No.:	10/797996
Filed:	March 11, 2004
For:	Balloon Structure With PTFE Component
Examiner:	Matthew Daniels
Group Art Unit:	1732

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket No.: S63.2Q-7182-US02

AMENDMENT AFTER FINAL

This Amendment is in response to the Office Action dated July 16, 2007.

If an extension of time is required to make this response timely and no separate petition is enclosed, Applicants hereby petition for an extension of time sufficient to make the response timely. In the event that this response requires the payment of government fees and payment is not enclosed, please charge Deposit Account No. 22-0350.

Please amend the application as follows:

No Claim Amendments  
OK to Enter  
MSD 9/15/07

**MatWeb, The Online Materials Database****Overview - High Density Polyethylene (HDPE), Extruded**

Subcategory: HDPE; Polyethylene; Polymer; Thermoplastic

**Close Analogs:**

Click button for specific proprietary grades that belong to this Overview class.

**Proprietary Grades**

Please be aware that some proprietary polymers may not be listed because they fall into more than one class or because of ambiguity in manufacturer's information.

**Key Words:** Plastics, Polymers

The property data has been taken from proprietary materials in the MatWeb database. Each property value reported is the average of appropriate MatWeb entries and the comments report the maximum, minimum, and number of data points used to calculate the value. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Physical Properties	Metric	English	Comments
Density	0.936 - 0.962 g/cc	0.0338 - 0.0348 lb/in <sup>3</sup>	Average = 0.948 g/cc; Grade Count = 21
Apparent Bulk Density	0.58 - 0.61 g/cc	0.021 - 0.022 lb/in <sup>3</sup>	Average = 0.59 g/cc; Grade Count=4
Water Absorption	0.01 %	0.01 %	Grade Count = 1
Moisture Vapor Transmission	0.38 cc-mm/m <sup>2</sup> -24hr-atm	0.965 cc-mil/100 in <sup>2</sup> -24hr-atm	Grade Count = 1
Environmental Stress Crack Resistance	10 - 5000 hour	10 - 5000 hour	Average = 1600 hr; Grade Count = 16
Melt Flow	0.14 - 13 g/10 min	0.14 - 13 g/10 min	Average = 3.6 g/10 min; Grade Count = 21
<b>Mechanical Properties</b>			
Hardness, Shore D	58 - 65	58 - 65	Average = 62; Grade Count = 14
Tensile Strength, Ultimate	24 - 45 MPa	3480 - 6530 psi	Average = 30 MPa; Grade Count = 9

Do Not  
Enter MTD  
9/15/07